



# CITY OF LODI

## COUNCIL COMMUNICATION

AGENDA TITLE: Interim Capital Improvement Program Appropriations

MEETING DATE: March 18, 1992

PREPARED BY: Public Works Director

**RECOMMENDED ACTION:** That the City Council appropriate funds for the projects listed in Exhibit A from the sources indicated and approve a policy on transferring funds from the various development impact fee funds to repay other City funds' expenses already incurred.

**BACKGROUND INFORMATION:** In the past, the City has adopted a capital improvement budget (CIP) in the fall after the operating budget for the fiscal year is adopted in June. This fiscal year, the CIP budget was delayed due to work being done on the Development Impact Fee Program and the Growth Management Program. Staff is now preparing the budget for 1992/93, and per new direction from the City Manager and Finance Director, this budget will include capital improvements, thus there will be no separate 1991/92 CIP.

However, due to the need for funding on annual projects and other projects that should be started prior to July 1992, staff is requesting that the projects listed in Exhibit A be appropriated from the sources indicated. The projects are described in the attached project description sheets. In some cases, these sheets describe multi-year projects or those with full year appropriations. The amounts shown in Exhibit A may be less.

### Transfers

The Development Impact Fee Program adopted by the Council in 1991 included a number of projects which provide capacity for future growth for which the City has already expended the funds. These fall into two categories: 1) projects whose "capacity" will be used up over the life of the General Plan, and 2) those with relatively limited life. They are discussed separately below:

- 1) "long-term" projects - the two projects in this category consist of new development's share of the new elevated water tank (\$183,489) and various recently completed street widening and traffic signal projects (\$1,281,500 in total). These amounts represent 1.97% and 8.38% of the total new development's share of the cost of needed projects in the Water and Street funds respectively. Since this capacity will be "used up" as development occurs and this rate will likely be different

APPROVED

THOMAS A. PETERSON  
City Manager

CC 1

March 18, 1992

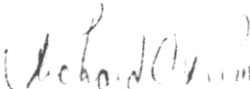
Page 2

than the schedule included in the fee program, it is recommended that these percentages of revenue be transferred to the appropriate accounts. This will avoid over collecting and more closely match the used capacity and actual development

- 2) "short-term" projects - these consist mainly of the various master plans, impact fee, and general plan documents which will all need to be updated several times before the General Plan horizon of the year 2007. These projects total 5627,418. For these projects, it is recommended that the Finance Director be authorized to transfer these funds as they are available from the appropriate impact fee revenues.

In both cases, these transfers will be shown in the year-end report for all the impact fee funds. By using a percentage in case 1), interest will automatically be accounted for. In case 2), the amount owed will be indexed by the Engineering News Record Index as is provided in the impact fee ordinance for reimbursement to developers in similar situations.

FUNDING: As indicated in Exhibit A.

  
Jack L. Ronsko  
Public Works Director

Prepared by Richard C. Prima, Jr., Assistant City Engineer

JLR/RCP/lm

Attachment

cc: City Attorney  
Finance Director

# E X H I B I T    A

Project	FY 92/93 <u>Amount</u>	
<u>Fund-Account</u>		
Miscellaneous Sanitary Sewers	\$ 10,000	17.1-400.01
Miscellaneous (Sanitary Sewer) System Relocations	20,000	17.1-400.05
Poplar Street Sanitary Sewer Replacement	109,000	17.1-400.60
WSWPCF Irrigation System Expansion (Phase 2)	137,000	17.2-
WSWPCF Primary Sedimentation Tank Rehab	75,000	17.2-
Miscellaneous Water Mains	15,000	18.1-450.01
Miscellaneous (Water) System Relocations	20,000	18.1-450.07
Water Meter Retrofits	110,000	18.1-450.06
Well 11R Block Wall	77,000	18.1-460.11
Preliminary Well Site Design	50,000	60.1-
Miscellaneous Street Widening	20,000	33.0-500.01
Miscellaneous Curb and Gutter Replacement	15,000	33.0-500.03
Sidewalk Replacements	22,000	128.0-500.04
Miscellaneous Traffic Improvements	20,000	33.0-
Church Street Coordination Improvements	22,000	33.0-
Church Street Overlay, Vine to Tokay and Chestnut to Lodi	116,000	33.0-
Highway 12 Project Study Report	92,000	60.4-
Lower Sacramento Road Widening, Preliminary Engineering	20,000	60.4-
Overlay Analysis and Design	6,000	124.0-500.80
Development Impact Fee Program Administration	115,000	60.8-



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP

### Miscellaneous Sanitary Sewers

#### Project Description

This project consists of the minor installation of new or replacement sewers unplanned at budget time.

The work is either done in conjunction with adjacent work by a developer or by City forces to improve an existing problem.

The amount budgeted is based on historical expenditures:

<u>FY</u>	<u>Amount</u>
90/91	\$12,753
89/90	\$548
88/89	\$4,981
87/88	\$95
86/87	\$3,753
85/86	\$6,410
84/85	\$13,823

#### Related Projects

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>ENR Index:</u>	<u>Jul-91</u>
Prelim Eng:						
EIR: exempt						
Rights of Way:						
Easements:						
Consultants:						
Design Enp.:						
Construction:						

Annual

**Total Cost: \$ 10,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP

### Miscellaneous System Relocations

#### Project Description

This project consists of relocating mains and services as necessary for street improvements. It also includes adjusting frames and covers to grade after street paving.

This places to cost of such work with the appropriate utility as is done with private utilities in Lodi and other agencies.

The amount budgeted is based on recent history, although the annual amount will vary depending on the number and location of street projects.

FY	Expenditure	
90/91	\$15,637	Note: \$17,259. expended thru Jan. 1992
89/90	\$111	
88/89	\$10,997	
87/88	\$3,641	
86/87	91,580	

Project Number:

#### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:
Prelim Eng:				
EIR: exempt				
Rights of Way:				
Easements:				
Consultants:				
Design Eng.:				
Construction:				

Other

Annual

Total Cost: \$ 20,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

## PUBLIC WORKS DEPARTMENT

### Wastewater System CIP

#### Wastewater Main Replacement

#### Poplar St. - Central to Cherokee

#### Project Description

This project consists of the replacement of the 8" sewer in Poplar Street from Central Ave. to the east side of Cherokee Lane with a 10" sewer. The existing line has a major sag under Cherokee Lane and is the major contributing factor to costly sewer problems in area east of Cherokee Lane (Joaquin St. and others).

Funds for the Cherokee Lane crossing were budgeted last year. however in doing the design engineering, it was determined that in order to make best use of the available sewers downstream, the line should be replaced to Central Ave. This will provide a long term solution in the area.

The cost includes approximately \$6,000 for jacking the pipe across Cherokee Lane to minimize traffic disruption.

#### Related Projects

#### Project Number:

#### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for ENR Index:	Jul 91
Prelim Eng:					4818
EIR: assumed Neg Declaration (by Community Dev Dept.)					
Rights of Way:					
Easements					
Consultants					
Design Eng					
Construction	154,000	Jul 91	4818		\$ 154,000
less amount already appropriated	45,000	Jul 91	4818		(\$45,000)

Other

**Total Cost: \$ 109,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

## PUBLIC WORKS DEPARTMENT

### Wastewater System CIP

#### Whits Slough Water Pollution Control Facility

#### Irrigation System Expansion

#### Project Description

This **project** consists of the installation of additional pipe, ditches and valves to expand the **irrigation** system to include the recently purchased 274 acres southeast of the plant. This will allow the disposal of cannery waste and plant effluent to this land. The **City** is under pressure from the State to pursue this project in ensure the ability to spread **effluent** on site instead of discharging to the Delta in the event of a disruption in the treatment process.

This work can be phased over two years.

The work will be done by contract and designed by an irrigation consultant

#### Related Projects

Project Number:

#### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for ENR Index	Jul 91 4818
Prelim Eng:					
EIR: assume Neg. Declaration (by Community Development Dept.)					
Rights of Way:					
Easements:					
Consultants: Irrigation Design	20,000	Jul-91	4818		\$ 20,000
Design Eng: Surveying, by City	5,000	Jul-91	4818		\$ 5,000
Construction: Pipeline (36", 1370 ft), 1 valve & structure, const mgmt	111,650	Jul-91	4818		\$ 112,000
Ditch, 2 structures, 3 valves, const mgmt	136,400	Jul-91	4818		\$ 136,000
Other					

Total Cost: \$ 273,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP

White Slough Water Pollution Control Facility  
Primary Sedimentation Tank Rehab.

### Project Description

This project consists of the replacement of the 24 year old collection equipment in sedimentation tanks #2 & X3. The new equipment will be non-metallic system similar to those insralled in tanks #4 & #5 which were built as pan of the recently completed expansion. The system in tank #1 is currently being replaced. These replacements were staged to reduce cost and keep the systems in operation.

The estimate is for materials only. The work will be done by Plant personnel

This is a fairly high priority item as one these tanks is presently out of operation.

### Related Projects

				Project Number:	
Estimated Costs		Date of	ENR	Updated Cost for:	Jul 91
Item	Amount	Estimate	Index	ENR Index:	4818
Prelim Eng:					
EIR: exempt					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction: materials	75,000	Jul 91	4818		\$ 75,000

Other

**Total Cost: \$ 75,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction, if not, it is included in construction

Construction includes contract administration & inspection unless shown otherwise





# CITY OF LODI

## PUBLIC WORKS DEPARTMENT

### Water System CIP

### System Improvements

#### Project Description

This project consists of upgrading of old mains or minor installation of new mains

The work is either done in conjunction with adjacent work by a developer or by City forces to improve an existing maintenance problem such as elimination of pressure and sand problems at dead-end lines by looping the main

Specific areas to be improved as time permits are:

Bel Air Court @ Dasy Ave.  
Tokay Street E & W of California St  
Cardinal St. @ Fairmont Ave.  
Ham Ln. N/ Locksford St.  
Laurel Ave. N/Edgewood Dr.

#### Related Projects

				Project Number
<u>Estimated Costs</u>		<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for</u>
<u>Item</u>	<u>Amount</u>	<u>Estimate</u>	<u>Index</u>	<u>ENR Index</u>
Prelim Eng				
EIR				
Rights of Way				
Easements				
Consultant's				
Design Eng				
Construction	(annual amount)	15,000		\$ 15,000

Other:

Total Cost: \$ 15,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP

### Miscellaneous System Relocations

#### Project Description

This project consists of relocating fire hydrants, mains and services as necessary for street or other gravity utilities. It also includes adjusting frames and covers to grade after street paving.

This places to cost of such work with the appropriate utility. It is done with private utilities in Lodi and other agencies.

The amount budgeted is based on recent history, although the annual amount will vary depending on the number and location of other projects.

<u>FY</u>	<u>Expenditure</u>
90/91	\$45,689
89/90	\$21,974
88/89	\$0,792
87/88	\$20,446
86/87	\$0,120

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for ENR Index:</u>
Prelim Eng:				
EIR:				
Rights of Way:				
Easements:				
Consultants:				
Design Eng.:				
Construction:				
Other:				

**Total Cost: \$ 40,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP

### Water Meters - Commercial & Industrial Retrofit

#### Project Description

This project consists of the installation of water meters on existing commercial and industrial customers.

There are a total of approximately 1000 such customers and as of November, 1991, 569 meters were in place.

This work is being done by City labor and includes the cost of correcting deficient services such as domestic services connected to line systems, buried or missing service boxes and multiple parcels on one service.

The average cost to retrofit these meters and correct various deficiencies has been approximately \$ 1150 per service.

At present staffing levels, this program should run thru FY 95/96.

#### Related Projects

#### Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng:					
Construction:	400 services \$1,150 per service Total: \$460,000	Jan-90	4673		\$ 474,000
Other:					

**Total Cost: \$ 474,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP

### Project Description

This **project** consists of the installation of a block wall around the Well 11R site at 824 East Turner Road (immediately east of the Casa de Lodi mobile home park). This site is planned for a standby generator and the wall will reduce noise. The block wall design includes some alternates for low-level planters which may be eliminated depending on the final bid price.

The limited landscaping and irrigation system ~~will be~~ installed **by City** forces as time permits. The landscaping includes some lawn, shrubbery and **trees**. The design and plant **selection** will be a low water-use plan.

### Related Projects

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR:					
Right of Way:					
Easements:					
Consultants:	8,000	Jul-91	4818		\$ 8,000
Design Eng.:					
Construction: Block Wall	\$110,000	Jul-91	4818		\$ 110,000
Landscaping materials	\$20,000	Jul-91	4818		\$ 20,000
less: Remaining appropriation in Well 11R construction account	(\$53,000)	Jul-91	4818		(\$53,000)
Consultant work already in progress	(\$8,000)	Jul-91	4818		(\$8,000)

**Total Cost: \$ 77,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

## PUBLIC WORKS DEPARTMENT

### Water System CIP

### Water Wells

#### Project Description

This project consists of the design and construction of water wells to meet the demands of new development. The preliminary locations and phasing are based on the Water Master Plan as summarized in the Development Impact Fee Study. (See attached map. Figure 3-1 from the Study. Actual phasing will depend on the location and rate of growth.

The costs include standby power on one-third of the wells and granular activated carbon filtration units (for DBCP) on selected wells. New wells will be assigned a City number as they are constructed, replacing the letters shown below.

Funding for these new wells is from the Water Development Impact Fee fund.

Since some of these wells are to be located within developed areas in an attempt to obtain DBCP-free water, a 'Preliminary Site Design' project is shown separately. Two initial sites to be investigated are on Lodi Unified School District Property and discussions with District personnel have begun.

Project Number:

Estimated Costs Item	Amount	Date of Estimate	ENR Index	Updated Cat for: ENR Index:	Jul-91
Prelim Eng:					
EIR: Not exempt; assumed Initial Study and Negative Declaration (by Community Development Dept.)					
Rights of Way:					
Easements:				Estimated FY needed	
Preliminary Site Design	50,000	Jul-91	4818	1991192	\$ 50,000
Construction:					
Well A	723,000	Jan-90	4673	1996197	\$ 745,000
Well B	723,000	Jan-90	4673	2002/07	\$ 745,000
Well C	773,000	Jan-90	4673	2002/07	\$ 797,000
Well D	723,000	Jan-90	4673	1997102	\$ 745,000
Well E	723,000	Jan-90	4673	1997102	\$ 745,000
Well F	345,000	Jan-90	4673	1997102	\$ 356,000
Well G	295,000	Jan-90	4673	1991192	\$ 304,000
Well H	345,000	Jan-90	4673	1992/93	\$ 356,000
Well I	345,000	Jan-90	4073	1994/95	\$ 356,000
Well J	295,000	Jan-90	4673	1993194	\$ 304,000
Well K	345,000	Jan-90	4673	1995/96	\$ 356,000
Well L	723,000	Jan-90	4673	1997102	\$ 745,000
Well M	773,000	Jan-90	4673	2002/07	\$ 797,000
Well N	295,000	Jan-90	4673	2002/07	\$ 304,000

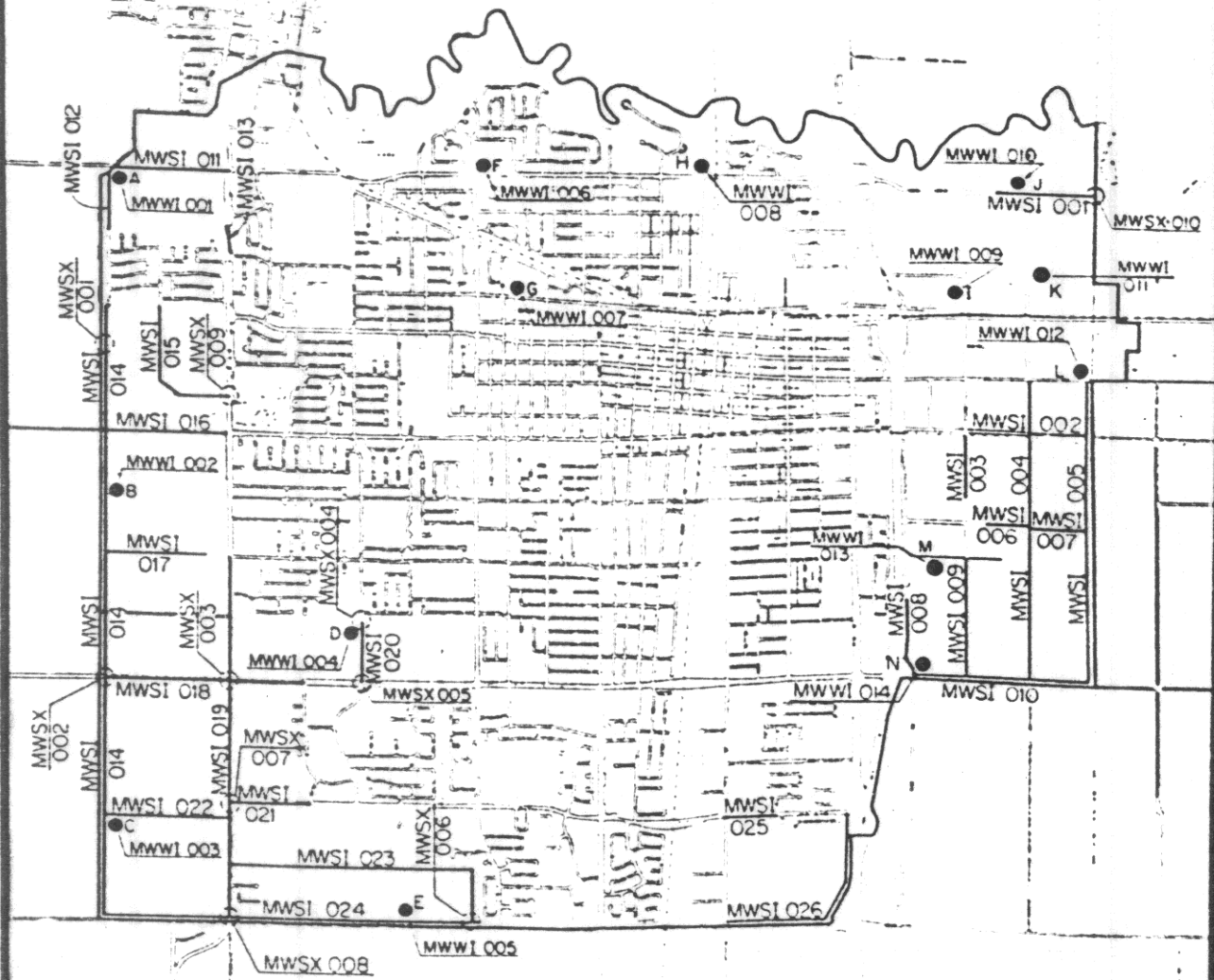
**Total Cost: \$ 7,705,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

# GP STUDY AREA



## LEGEND

- Future Well
- Future Pipe
- MWWI 005 Water System Improvement Project Number

NOTE  
Approximate Locations  
See Project Description



FIGURE 3-1

WATER SYSTEM IMPROVEMENTS





# CITY OF LODI

## Project Description

This project covers the cost of small widening projects which cannot be foreseen at budget time. Usually these projects are done in conjunction with work by a developer or private citizen.

For example, if an owner is relocating a driveway on a street that will ultimately be widened, the City would pay for the replacement of the remainder of the curb, gutter and sidewalk along the frontage at the ultimate width. The City would also pay for the additional pavement width on that portion of the work.

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$43,036
89/90	\$29,585
88/89	522,862
87/88	\$38,776
86/87	\$54,538

Project Number:

## Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost</u>	<u>As of</u>
		<u>Estimate</u>	<u>Index</u>	<u>ENR Index</u>	
Prelim Eng:					Jul-91
EIR:					4818
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

Total Cost: \$ 50,000

## Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Misc. Curb & Gutter Replacements

#### Project Description:

This project covers the cost of small curb & gutter projects which cannot be foreseen at budget time. Usually these projects are done in conjunction with work by a developer or private citizen.

For example, if a owner is replacing a driveway, and the adjacent gutter was in very poor condition, the City would pay for additional curb & gutter replacement.

This account is also used to fund curb & gutter replacements done in conjunction with other street projects if additional funds are needed for the project. However, pavement maintenance is given priority, thus funds budgeted for curb & gutter replacement are insufficient to meet the demand.

The amount budgeted is based on recent expenditure history:

FY	Amount
90191	512,347
89/90	\$370
83/89	52.464
87/89	\$6,228
86137	5104.026

#### Project Number:

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jul 91</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

**Total Cost: \$ 15,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.





# CITY OF LODI

PUBLIC WORKS DEPARTMENT

Streets CIP

## Sidewalk Replacements

### Project Description

This project includes the replacement of hazardous sidewalk under the term of the City's sidewalk replacement policy (attached).

A complete inspection of the City's sidewalk was done in 1985 and is being redone in summer, 1990. Temporary repairs are made and defects are prioritized by the amount of vertical offset (i.e., how much the sidewalk is raised.)

Replacement are done in priority order by street district to the extent funds are available.

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$47,707
89/90	\$57,197
88/89	\$54,585
87/88	\$53,286
86/87	\$51,112

Project Number:

### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jul 91</u>
		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					

Other:

**Total Cost: \$ 50,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Miscellaneous Traffic Improvements ~~Miscellaneous Traffic Improvements~~

1011

This ~~project includes~~ various minor ~~traffic~~ operation and ~~safety~~ improvements unscheduled at budget time such as:

- o) conversion of fixed time signals to actuated
- o) addition of protected left turn phases at existing signalized intersections
- o) additional ~~traffic~~ detection loops to improve actuated signal Operation
- o) larger signing at major intersections or on ~~arterials~~
- o) new ~~striping/channelization~~ at intersections
- o) ~~warning~~ or ~~other~~ safety signing
- o) upgrading of ~~traffic controllers~~ & conflict monitors

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$0
89/90	\$26,200
88/89	\$15,485
87/88	\$2,087
86/87	\$14,298

Project Number:

Estimated Costs	Amount	Date of Estimate	ENR Index	Updated Cost for:	Jul-91
<u>Item</u>				<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR: exempt					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

**Total Cost: \$ \$20,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.  
Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Church St. Coordination Improvements

#### Project Description

This **project** is the continuation ~~of~~ the project under construction which will improve traffic flow on Church St. The project underway is installing the equipment necessary for the signals ~~at~~ Walnut, Oak, Pine and Elm to operate in traffic-actuated mode instead of fixed time and includes an interconnect conduit from these intersection to Lodi Ave..

This continuation of the project will provide upgraded controllers, an on-street master, modems, software and a microcomputer to monitor, adjust timings and other functions.

The replaced controllers will be used to replace obsolete controllers ~~at~~ other locations.

The **on-street** master will have ~~the capability~~ of controlling other **arterials** as well ~~with~~ the addition of upgraded controllers and interconnect wire.

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	22,000	Jul-91	4818		\$ 22,000
Other:					

**Total Cost: \$ 22,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

Public Works Department

## Project Description

This project consists of an asphalt concrete overlay with pavement reinforcement fabric.

The edge of the pavement at the gutter will be removed by grinding before the overlay to provide a better tie in and reduce the cross slope. This will also prevent vehicles from scraping the pavement at the driveways.

The estimate is based on a 0.15' of AC overlay.

Due to the age and condition of the pavement, it is recommended this project not to be deferred for more than a year. However, a traffic study needs to be done at the Lodi Ave intersection to determine if minor widening is appropriate due to the heavy turning movements and lack of dedicated turn lanes.

Church Street from Tokay St to Chestnut has been overlaid in 1990 with 0.15' AC and reinforcement fabric.

Project Number:

### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:	Jul-91 4818
Prelim Eng:					
EIR: assume Negative Declaration					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction: Vine to Tokay	89,000	Jul 90	0735		\$ 91,000
Tokay Chestnut Completed					
Chestnut Lodi	25,000	Jul-90	4735		\$ 25,000
Other:					

Total Cost: \$ 116,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Hwy 12 Project Study Report

#### Project Description

The City's Street **Master Plan** identifies **Hwy 12 (Kettleman Lane)** from the west City limits to **Hwy 99** as a 6-lane, divided **facility** (ultimate) with major improvements to the **12/99** interchange. The City's development requirements are such that new areas will provide the needed street width. **However**, the interchange work, medians and any necessary improvements to the highway in the existing developed area need to be further defined. For example, the City's Street **Master Plan** described two alternates for the **interchange** work. (Note, this project was also identified in Measure K as an eligible project for funding.)

The next step in **implementing** these improvements is the "Project Study Report" which **will be** an extensive document prepared under Caltrans guidelines and review and due to the staff and technical requirements, **will need to be** done by an outside consultant.

This **project** is identified in the Development Impact Fee Program and will be funded with Street **Impact Fee Funds**. It is important that this study be **started** as **soon** as possible in order to secure Measure K funds, State funding and, if necessary, adjust the Street Impact Fee.

Project Number:					
<u>Estimated Costs</u>		<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
<u>Item</u>	<u>Amount</u>	<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:	80,000	Jun-90	4673		\$ 82,000
Design Eng:	10,000	Jan-90	4673		\$ 10,000
Construction:					
Other:					
Total Cost: \$					92,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

## PUBLIC WORKS DEPARTMENT

### Project Description

The City's Street Master Plan identifies Lower Sacramento Road from the south City limits to Turner Road as a 4-lane, divided facility (ultimate). A Specific Plan for a portion of the street was adopted in the 1960's. This plan which could provide 6-lanes, needs to be updated. The updated plan needs to take into account plans for growth elsewhere in the County. It will probably be in the City's best interests to have a plan that will allow for a future 6-lane configuration. This project was also identified in Measure K as an eligible project for funding.

This project is identified in the Development Impact Fee Program and will be funded with Street Impact Fee Funds. It is important that this study be started as soon as possible in order to secure Measure K funds and work with new developments on Lower Sacramento Road.

Project Number:

### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Cost of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:	20,000	Jul-91	4818		\$ 20,000
EIR: assumed Neg. Declaration (by Community Dev. Dept.)					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

Total Cost: \$ 20,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

Overlay Analysis / Design

Overlay Analysis / Design

### Project Description

This project covers the consulting fees and testing services involved in doing preliminary designs for pavement overlays.

The process begins in the street Maintenance Division which conducts biennial ratings of all the City's streets. The ratings are used in a computerized pavement maintenance management program.

The program suggests various maintenance techniques for each street segment. Streets recommended for overlays 1" or thicker are handled under the Capital Improvement Program.

The thick overlay design process includes obtaining and projecting truck counts to determine the design loads (traffic index) and determining the structural value of the existing pavement.

The traffic index is determined by City staff. The structural value is determined by a consultant using the Dynaflect nondestructive pavement testing device. This device places a 1000 lb oscillating load on the pavement and the pavement's movement (deflection) is measured. The results are analyzed using a Caltrans developed procedure. The results are then reviewed with City staff and a final recommendation is made.

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:	5,000				
Design Eng.:	1,000				
Construction:					
Other:					

Total Cost: \$ 6,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## General City Facilities CIP Development Impact Mitigation Fee Program Administration

### Project Description

This 'project' includes the general cost of administering and updating the Development Impact Fee Program. Costs for individual project administration, design and inspection are included in the project cost. Costs included here include staff time for ordinance preparation, fee calculations and collection, fee updates and record keeping.

Annual costs were estimated by the consultant at \$160,000. In this first year of the program, the cost has been lower since no staff was added to administer the program. However, some costs are being incurred and should be charged to this project. The cost shown below includes staff time, two microcomputers (\$7000) & software (\$3000) for fee tracking and reporting, training (\$1500) and a set of aerial photos of the City (\$8000).

Also included is an amount to pay the fee consultants for additional costs in completing the impact fee study. The scope of work for the study went well beyond that included in the original proposal. The consultants agreed to wait for their payment until the City actually receives revenue from the fee program.

Project Number:

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
<u>Item</u>		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR: exempt					
Rights of Way:					
Easements:					
Consultants:	81,418	Jul-91	4818		\$ 81,000
Staff:	14,000	Jul-91	4818		\$ 14,000
Misc:	19,500	Jul-91	4818		\$ 20,000

Other:

Total Cost: \$ 115,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



ORDINANCE NO. 1546

=====

AN ORDINANCE OF THE LODI CITY COUNCIL  
ADOPTING AN INTERIM CAPITAL IMPROVEMENT PROGRAM BUDGET FOR VARIOUS CITY  
PROJECTS FOR THE CITY OF LODI FOR FISCAL YEAR 1992-93 AND APPROVING A  
POLICY FOR TRANSFERRING FUNDS FROM THE VARIOUS DEVELOPMENT IMPACT FEE  
FUNDS TO REPAY OTHER CITY FUNDS' EXPENSES ALREADY INCURRED.

=====

BE IT ORDAINED BY THE LODI CITY COUNCIL **AS** FOLLOWS:

SECTION 1. Together with estimated revenues to be received for fiscal year 1992-93, the unappropriated funds and reserve balances in the city treasury as of this date, and a policy hereby approved for transferring funds from the various development impact fee funds to repay other City funds' expenses already incurred, there is hereby appropriated and allocated monies for the support of the City's Interim Capital Improvement Program for various projects as shown on Exhibit A on file in the Office of the Lodi City Clerk.

SECTION 2. The City Council of the City **of** Lodi hereby approves the above-mentioned policy for transferring funds from the various development impact fee funds to repay other City funds' expenses already incurred in conjunction with the City's Capital Improvement Program, which transfer policy is described in Exhibit 8 on file in the office **of** the Lodi City Clerk.

SECTION 3. Because of delays due to work required to be accomplished on the Development Impact Fee Program and the Growth Management Program, the 1992-93 budget shall include capital improvements, but there shall be no separate 1991-92 Capital Improvement Program.

SECTION 4. All ordinances and parts of ordinances in conflict herewith are repealed insofar as such conflict may exist.

SECTION 5. This ordinance shall be published one time in the "Lodi News Sentinel", a daily newspaper of general circulation printed and published in the City of Lodi and shall be in force and take effect thirty days from and after its passage and approval.

Approved this \_\_\_\_ day of \_\_\_\_\_ 1992

\_\_\_\_\_  
JAMES W. PINKERTON\* JR.  
Mayor Attest:

ALICE M. REIMCHE  
City Clerk

State of California  
County of San Joaquin, ss.

I, Alice M. Reimche, City Clerk of the City of Lodi. do hereby certify that Ordinance No. 1546 was introduced at a regular meeting of the City Council of the City of Lodi held March 18, 1992. and was thereafter passed, adopted and ordered to print at a regular meeting of said Council held \_\_\_\_\_ by the following vote:

Ayes:	Council Members -
Noes:	Council Members -
Absent:	Council Members -
Abstain:	Council Members -

-

I further certify that Ordinance No. 1546 was approved and signed by the Mayor on the date of its passage and the same has been published pursuant to law.

ALICE M. REIMCHE  
City Clerk

Approved as to Form

BOBBY W. McNATT  
City Attorney

ORD1546/TXTA.01V

# E X H I B I T    A

<u>Project</u>	<u>FY 92/93</u> <u>Amount</u>	
<u>Fund-Account</u>		
Miscellaneous Sanitary Sewers	\$ 10,000	17.1-400.01
Miscellaneous (Sanitary Sewer) System Relocations	20,000	17.1-400.05
Poplar Street Sanitary Sewer Replacement	109,000	17.1-400.60
WSWPCF Irrigation System Expansion (Phase 2)	137,000	17.2-
WSWPCF Primary Sedimentation Tank Rehab	75,000	17.2-
Miscellaneous Water Mains	15,000	18.1-450.01
Miscellaneous (Water) System Relocations	20,000	18.1-450.07
Water Meter Retrofits	110,000	18.1-450.06
Well 11R Block Wall	77,000	18.1-460.11
Preliminary Well Site Design	50,000	60.1-
Miscellaneous Street Widening	20,000	33.0-500.01
Miscellaneous Curb and Gutter Replacement	15,000	33.0-500.03
Sidewalk Replacements	22,000	128.0-500.04
Miscellaneous Traffic Improvements	20,000	33.0-
Church Street Coordination Improvements	22,000	33.0-
Church Street Overlay. Vine to Tokay and Chestnut to Lodi	116,000	33.0-
Highway 12 Project Study Report	92,000	60.4-
Lower Sacramento Road Widening, Preliminary Engineering	20,000	60.4-
Overlay Analysis and Design	6,000	124.0-500.80
Development Impact Fee Program Administration	115,000	60.8-



**CITY OF LODI**  
**PUBLIC WORKS DEPARTMENT**

**Wastewater System CIP**

**Miscellaneous Sanitary Sewers**

Project Description

This project consists of the minor installation of new or replacement sewers unplanned at budget time.

The work is either done in conjunction with adjacent work by a developer or by City forces to improve an existing problem.

The amount budgeted is based on historical expenditures:

<u>FY</u>	<u>Amount</u>
90/91	\$12,753
89/90	\$548
88/89	\$4,981
87/88	895
86/87	\$3,753
85/86	\$6,410
84/85	\$13,823

Related Projects

Project Number:

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR: exempt					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction					

Other:

Annual

**Total Cost: \$ 10,000**

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP

### Miscellaneous System Relocations

#### Project Description

This project consists of relocating mains and services as necessary for street improvements. It also includes adjusting frames and covers to grade after street paving.

This places to cost of such work with the appropriate utility as is done with private utilities in Lodi and other agencies.

The amount budgeted is based on recent history, although the annual amount will vary depending on the number and location of street projects.

FY	Expenditure
90/91	\$15,637
89/90	\$111
88/89	\$10,997
87/88	\$3,641
86/87	\$1,580

Note: \$17,259. expended thru Jan. 1992

Project Number:

#### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:
Prelim Eng:				
EIR: exempt				
Rights of Way:				
Easements:				
Consultants:				
Design Eng.:				
Construction:				
Other:				

Annual

Total Cost: \$ 20,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP Wastewater Main Replacement Poplar St. - Central to Cherokee

### Project Description

This project consists of the replacement of the 8" sewer in Poplar Street from Central Ave. to the east side of Cherokee Lane with a 10" sewer. The existing line has a major sag under Cherokee Lane and is the major contributing factor to costly sewer problems in area east of Cherokee Lane (Joaquin St. and others).

Funds for the Cherokee Lane crossing were budgeted last year, however in doing the design engineering, it was determined that in order to make best use of the available sewers downstream, the line should be replaced to Central Ave. This will provide a long term solution to the area.

The cost includes approximately \$6,000 for jacking the pipe across Cherokee Lane to minimize traffic disruption.

### Related Projects

Project Number:

### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:	Jul-91 4818
Prelim Eng:					
EIR: assumed Neg. Declaration (by Community Dev. Dept.)					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	154,000	Jul-91	4818		\$ 154,000
less amount already appropriated:	-45,000	Jul-91	4818		(\$45,000)

Other:

Total Cost: \$ 109,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP

### White Slough Water Pollution Control Facility Irrigation System Expansion

#### Project Description

This project consists of the installation of additional pipe, ditches and valves to expand the irrigation system to include the recently purchased 274 acres southeast of the plant. This will allow the disposal of cannery waste and plant effluent to this land. The City is under pressure from the State to pursue this project in ensure the ability to spread effluent on site instead of discharging to the Delta in the event of a disruption in the treatment process.

This work can be phased over two years.

The work will be done by contract and designed by an irrigation consultant.

#### Related Projects

					Project Number:
<u>Estimated Costs</u>					
<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR: assume Neg. Declaration (by Community Development Dept.)					
Rights of Way:					
Easements:					
Consultants: Irrigation Design	20,000	Jul-91	4818		\$ 20,000
Design Eng.: Surveying, by City	5,000	Jul-91	4818		\$ 5,000
Construction: Pipeline (36", 1370 ft.), 1 valve & structure, const. mgmt.	111,660	Jul-91	4818		\$ 112,000
Ditch, 2 structures, 3 valves, const. mgmt.	136,400	Jul-91	4818		\$ 136,000
Other:					
					<b>Total Cost: \$ 273,000</b>

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.





# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Wastewater System CIP

White Slough Water Pollution Control Facility  
Primary Sedimentation Tank Rehab.

### Project Description

This project consists of the replacement of the 24 year old collection equipment in sedimentation tanks t 2 & t 3. The new equipment will be non-metallic system similar to those installed in tanks t 4 & 15 which were built as part of the recently completed expansion. The system in tank t 1 is currently being replaced. These replacements were staged to reduce cost and keep the systems in operation.

The estimate is for materials only. The work will be done by Plant personnel.

This is a fairly high priority item as one these tanks is presently out of operation.

### Related Projects

Project Number:					
Estimated Costs				Updated Cost for:	Jul-91
Item	Amount	Date of Estimate	ENR Index	ENR Index:	4818
Prelim Eng:					
EIR: exempt					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction: materials	75,000	Jul-91	4818		\$ 75,000

Other:

**Total Cost: \$ 75,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

Water System CIP  
Water System CIP

System Improvements  
System

## Project Description

This project consists of upgrading of old mains or minor installation of new mains.

The work is either done in conjunction with adjacent work by a developer or by City forces to improve an existing maintenance problem such as elimination of pressure and sand problems at dead-end lines by looping the main.

Specific areas to be improved as time permits are:

Bel Air Court @ Daisy Ave.  
Tokay Street E & W of California St.  
Cardinal St. @ Fairmont Ave.  
Ham Ln. N/ Locketford St.  
Laurel Ave. N/Edgewood Dr.

## Related Projects

Project Number:

### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:
Prelim Eng:				
EIR:				
Rights of Way:				
Easements:				
Consultants:				
Design Eng.:				
Construction:	I ——— 15,000			* 15,000
Other:				

Total Cost: \$ 15,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP

### Miscellaneous System Relocations

#### Project Description

This project consists of relocating fire hydrants, mains and services as necessary for street or other gravity utilities. It also includes adjusting frames and covers to grade after street paving.

This places to cost of such work with the appropriate utility as is done with private utilities in Lodi and other agencies.

The amount budgeted is based on recent history, although the annual amount will vary depending on the number and location of other projects.

<u>FY</u>	<u>Expenditure</u>
90/91	\$45,684
89/90	\$21,974
88/89	\$6,792
87/88	\$20,446
86/87	\$6,120

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>
Prelim Eng:				
EIR:				
Rights of Way:				
Easements:				
Consultants:				
Design Eng.:				
Construction:				

Other:

Total Cost: \$ 40,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP Water Meters - Commercial & Industrial Retrofit

### Project Description

This project consists of the installation of water meters on existing commercial and industrial customers.

There are a total of approximately 1000 such customers and as of November, 1991, 569 meters are in place.

This work is being done by City forces and includes the cost of correcting deficient services such as domestic services connected to fire systems, buried or missing service boxes and multiple parcels on one service.

The average cost to retrofit these meters and correct various deficiencies has been approximately \$1150 per service.

At present staffing levels, this program should run thru FY 95/96.

### Related Projects

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for: ENR Index:</u>	<u>Jul-91 4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	400 services \$1,150 per service Total: \$460,000	Jan-90	4673		\$ 474,000

Other:

Total Cost: \$ 474,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP

### Water Well 11R

### Block Wall & Landscaping

#### Project Description

This project consists of the installation of a block wall around the Well 11R site at 824 East Turner Road (immediately east of the Casa de Lodi mobile home park). This site is planned for a standby generator and the wall will reduce noise. The block wall design includes some alternates for low-level planters which may be eliminated depending on the final bid price.

The limited landscaping and irrigation system will be installed by City forces as time permits. The landscaping includes some lawn, shrubbery and trees. The design and plant selection will be a low water-use plan.

#### Related Projects

Project Number:					
<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:	8,000	Jul-91	4818		\$ 8,000
Design Eng.:					
Construction: Block Wall	\$110,000	Jul-91	4818		\$ 110,000
Landscaping materials	\$20,000	Jul-91	4818		\$ 20,000
less: Remaining appropriation in Well 11R construction account					
	(\$53,000)	Jul-91	4818		(\$53,000)
Consultant work already in progress					
	(\$8,000)	Jul-91	4818		(\$8,000)

**Total Cost: 4 77,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Water System CIP

### Water Wells

#### Project Description

This project consists of the design and construction of water wells to meet the demands of new development. The preliminary locations and phasing are based on the Water Master Plan as summarized in the Development Impact Fee Study. (See attached map, Figure 3-1 from the Study. Actual phasing will depend on the location and rate of growth.

The costs include standby power on one-third of the wells and granular activated carbon filtration units (for DBCP) on selected wells. New wells will be assigned a City number as they are constructed, replacing the letters shown below.

Funding for these new wells is from the Water Development Impact Fee Fund.

Since some of these wells are to be located within developed areas in an attempt to obtain DBCP-free water, a "Preliminary Site Design" project is shown separately. Two initial sites to be investigated are on Lodi Unified School District Property and discussions with District personnel have begun.

Project Number:

#### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:	Jul-91 4818
Prelim Eng:					
EIR:	Not exempt; assumed Initial Study and Negative Declaration (by Community Development Dept.)				
Rights of Way:					
Easements:				Estimated FY needed	
Preliminary Site Design	50,000	Jul-91	4818	1991/92	\$ 50,000
Construction:					
Well A	723,000	Jan-90	4673	1996/97	\$ 745,000
Well B	723,000	Jan-90	4673	2002/07	\$ 745,000
Well C	773,000	Jan-90	4673	2002/07	\$ 797,000
Well D	723,000	Jan-90	4673	1997/02	\$ 745,000
Well E	723,000	Jan-90	4673	1997/02	\$ 745,000
Well F	345,000	Jan-90	4673	1997/02	\$ 356,000
Well G	295,000	Jan-90	4673	1991/92	\$ 304,000
Well H	345,000	Jan-90	4673	1992/93	\$ 356,000
Well I	345,000	Jan-90	4673	1994/95	\$ 356,000
Well J	295,000	Jan-90	4673	1993/94	\$ 304,000
Well K	345,000	Jan-90	4073	1995/96	\$ 356,000
Well L	723,000	Jan-90	4673	1997/02	\$ 745,000
Well M	773,000	Jan-90	4673	2002/07	\$ 797,000
Well N	295,000	Jan-90	4673	2002/07	\$ 304,000

Total Cost: \$ 7,705,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

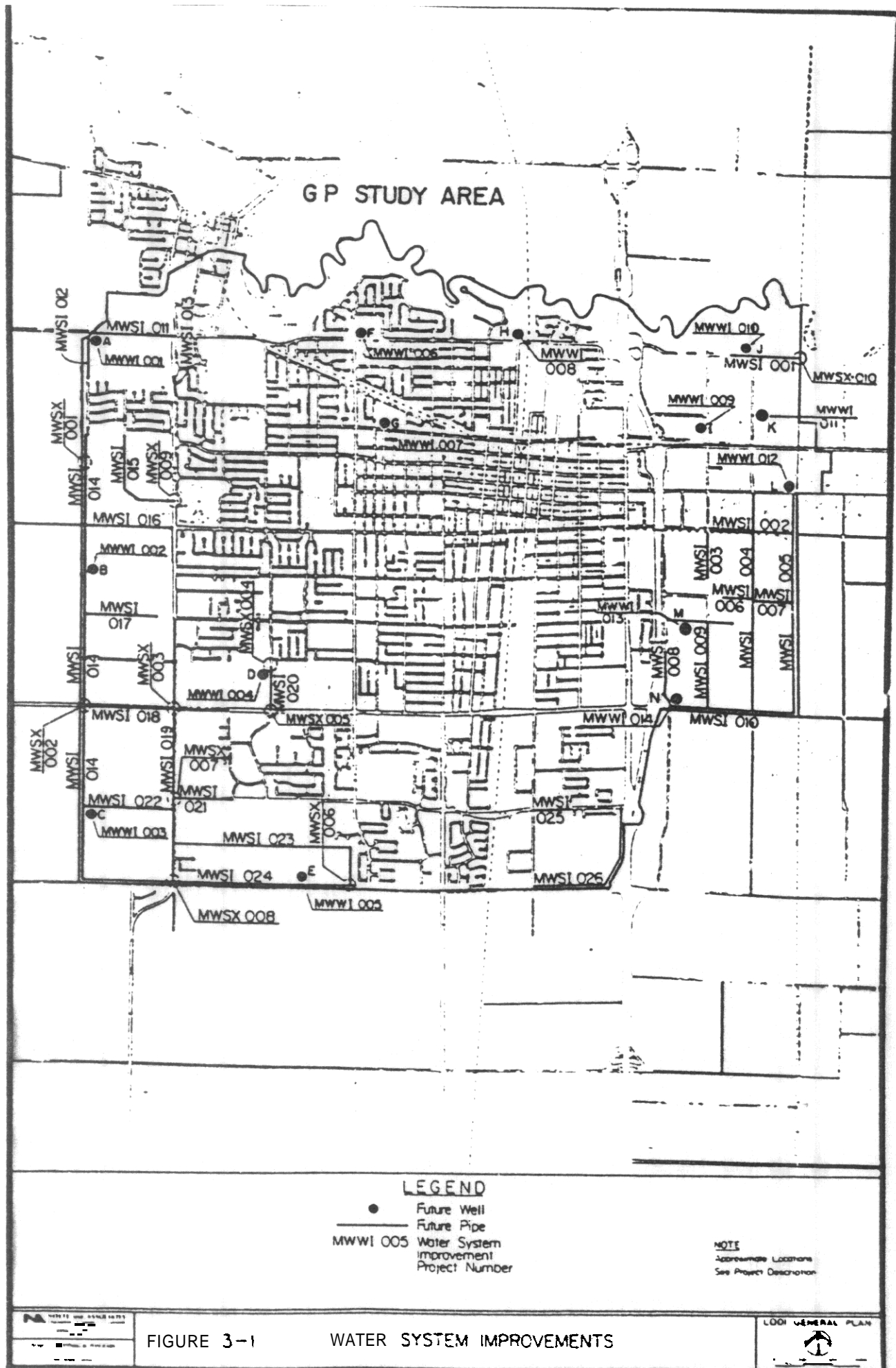


FIGURE 3-1

WATER SYSTEM IMPROVEMENTS



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Miscellaneous Widening

#### Project Description

This project covers the cost of small widening projects which cannot be foreseen at budget time. Usually these projects are done in conjunction with work by a developer or private citizen.

For example, if an owner is relocating a driveway on a street that will ultimately be widened, the City would pay for the replacement of the remainder of the curb, gutter and sidewalk along the frontage at the ultimate width. The City would also pay for the additional pavement width on that portion of the work.

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$43,096
89/90	\$29,585
88/89	\$22,862
87/88	\$38,776
86/87	\$54,538

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

**Total-Cost: \$ 50,000**

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.





# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Misc. Curb & Gutter Replacements

#### Project Description

This project covers the cost of small curb & gutter projects which cannot be foreseen at budget time. Usually these projects are done in conjunction with work by a developer or private citizen.

For example, if an owner is replacing a driveway, and the adjacent gutter was in very poor condition, the City would pay for additional curb & gutter replacement.

This account is also used to fund curb & gutter replacements done in conjunction with other street projects if additional funds are needed for the project. However, pavement maintenance is given priority, thus funds budgeted for curb & gutter replacement are insufficient to meet the demand.

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$12,347
89/90	\$370
88/89	\$2,464
87/88	\$6,228
86/87	\$104,026

Project Number:

#### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
				<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

Total-Cost: \$ 15,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

## Sidewalk Replacements

### Project Description

This project includes the replacement of hazardous sidewalk under the term of the City's sidewalk replacement policy (attached).

A complete inspection of the City's sidewalk was done in 1985 and is being redone in summer, 1990. Temporary repairs are made and defects are prioritized by the amount of vertical offset (i.e., how much the sidewalk is raised.)

Replacement are done in priority order by street district to the extent funds are available.

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$47,707
89/90	\$57,197
88/89	\$54,585
87/88	\$53,286
86/87	\$51,112

Project Number:

### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
				<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

**Total-Cost: \$ 50,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

*Streets CIP*

## Miscellaneous Traffic Improvements

### Project Description

This project includes various minor traffic operation and safety improvements unscheduled at budget time such as:

- o) conversion of fixed time signals to actuated
- o) addition of protected left turn phases at existing signalized intersections
- o) additional traffic detection loops to improve actuated signal operation
- o) larger signing at major intersections or on arterials
- o) new striping/channelization at intersections
- o) warning or other safety signing
- o) upgrading of traffic controllers & conflict monitors

The amount budgeted is based on recent expenditure history:

FY	Amount
90/91	\$0
89/90	\$26,200
88/89	\$15,485
87/88	\$2,087
86/87	\$14,298

Project Number:

### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR: exempt					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					

**Total Cost: \$ \$20,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

*Streets CIP*

**Church St. Coordination Improvements**

## Project Description

This project is the continuation of the project under construction which will improve traffic flow on Church St. The project underway is installing the equipment necessary for the signals at Walnut, Oak, Pine and Elm to operate in traffic-actuated mode instead of fixed time and includes an interconnect conduit from these intersections to Lodi Ave..

This continuation of the project will provide upgraded controllers, an on-street master, modems, software and a microcomputer to monitor, adjust timings and other functions.

The replaced controllers will be used to replace obsolete controllers at other locations.

The on-street master will have the capability of controlling other arterials as well with the addition of upgraded controllers and interconnect wire.

Project Number:

### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u> <u>ENR Index:</u>	<u>Jul-91</u> <u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	22,000	Jul-91	4818		\$ 22,000
Other:					

**Total Cost: \$ 22,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

Church Street Overlay  
Vine St - Lodi Ave

This project consists of an asphalt concrete overlay with pavement reinforcement fabric.

The edge of the pavement at the gutter will be removed by grinding before the overlay to provide a better tie-in and reduce the cross-slope. This will also prevent vehicles from scraping the pavement at the driveways.

The estimate is based on a 0.15' of AC overlay.

Due to the age and condition of the pavement, it is recommended this project not to be deferred for more than a year. However, a traffic study needs to be done at the Lodi Ave intersection to determine if minor widening is appropriate due to the heavy turning movements and lack of dedicated turn lanes.

Church Street from Tokay St to Chestnut has been overlaid in 1990 with 0.15' AC and reinforcement fabric.

Project Number:

### Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jul-91</u>
				<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR: assume Negative Declaration					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction: Vine to Tokay	89,000	Jul-90	4735		\$ 91,000
Tokay - Chestnut	Completed				
Chestnut - Lodi	25,000	Jul-90	4735		\$ 25,000
Other:					

Total Cost: \$ 116,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Hwy 12 Project Study Report

#### Project Description

The City's Street Master Plan identifies Hwy 12 (Kettleman Lane) from the west City limits to Hwy 99 as a 6-lane, divided facility (ultimate) with major improvements to the 12/99 interchange. The City's development requirements are such that new areas will provide the needed street width. However, the interchange work, medians and any necessary improvements to the highway in the existing developed area need to be further defined. For example, the City's Street Master Plan described two alternates for the interchange work. (Note, this project was also identified in Measure K as an eligible project for funding.)

The next step in implementing these improvements is the "Project Study Report" which will be an extensive document prepared under Caltrans guidelines and review and due to the staff and technical requirements, will need to be done by an outside consultant.

This project is identified in the Development Impact Fee Program and will be funded with Street Impact Fee Funds. It is important that this study be started as soon as possible in order to secure Measure K funds, State funding and, if necessary, adjust the Street Impact Fee.

Project Number:

#### Estimated Costs

Item	Amount	Date of Estimate	ENR Index	Updated Cost for: ENR Index:	Jul-91 4818
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
	80,000	Jan-90	4673		\$ 82,000
Design Eng.:	10,000	Jan-90	4673		\$ 10,000
Construction:					
Other:					
Total Cost: \$					92,000

Prelim Eng:  
EIR:  
Rights of Way:  
Easements:

80,000 Jan-90 4673 \$ 82,000  
10,000 Jan-90 4673 \$ 10,000

Construction:

Other:

Total Cost: \$ 92,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

### Lower Sacramento Road Widening

#### Project Description

The City's Street Master Plan identifies Lower Sacramento Road from the south City limits to Turner Road as a 4-lane, divided facility (ultimate). A Specific Plan for a portion of the street was adopted in the 1960's. This plan which could provide 6-lanes, needs to be updated. The updated plan needs to take into account plans for growth elsewhere in the County. It will probably be in the City's best interests to have a plan that will allow for a future 6-lane configuration. This project was also identified in Measure K as an eligible project for funding.

This project is identified in the Development Impact Fee Program and will be funded with Street Impact Fee Funds. It is important that this study be started as soon as possible in order to secure Measure K funds and work with new developments on Lower Sacramento Road.

Project Number:					
Estimated Costs		Date of	ENR	Updated Cost for:	Jul-91
Item	Amount	Estimate	Index	ENR Index:	4818
Prelim Eng:	20,000	Jul-91	4818		\$ 20,000
EIR: assumed Neg. Declaration (by Community Dev. Dept.)					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:					
Other:					
Total Cost: \$					20,000

#### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.  
Construction includes contract administration & inspection unless shown otherwise.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## Streets CIP

## Overlay Analysis / Design

### Project Description

This project covers the consulting fees and testing services involved in doing preliminary designs for pavement overlays.

The process begins in the street Maintenance Division which conducts biennial ratings of all the City's streets. The ratings are used in a computerized pavement maintenance management program.

The program suggests various maintenance techniques for each street segment. Streets recommended for overlays 1" or thicker are handled under the Capital Improvement Program.

The thick overlay design process includes obtaining and projecting truck counts to determine the design loads (traffic index) and determining the structural value of the existing pavement.

The traffic index is determined by City staff. The structural value is determined by a consultant using the Dynaflect nondestructive pavement testing device. This device places a 1000 lb oscillating load on the pavement, and the pavement's movement (deflection) is measured. The results are analyzed using a Caltrans developed procedure. The results are then reviewed with City staff and a final recommendation is made.

Project Number:					
<u>Estimated Costs</u>		Date of	ENR	Updated Cost for:	Jul-91
<u>Item</u>	<u>Amount</u>	<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4818</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:	5,000				
Design Eng.:	1,000				
Construction					

Other:

**Total Cost: \$ 6,000**

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.





# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## City Facilities CIP Development Impact Mitigation Fee Program Administration

### Project Description

This "project" includes the general cost of administering and updating the Development Impact Fee Program. Costs for individual project administration, design and inspection are included in the project cost. Costs included here include staff time for ordinance preparation, fee collection, and collection, fee updates and record keeping.

Annual costs were estimated by the consultant at \$160,000. In this first year of the program, the cost has been lower since no staff was added to administer the program. However, some costs are being incurred and should be charged to this project. The cost shown below includes staff time, two microcomputers (\$7000) & software (\$3000) for fee tracking and reporting, training (\$1500) and a set of aerial photos of the City (\$8000).

Also included is an amount to pay the fee consultants for additional costs in completing the impact fee study. The scope of work for the study went well beyond that included in the original proposal. The consultants agreed to wait for their payment until the City actually receives revenue from the fee program.

Project Number:

Estimated Costs		Date of		ENR		Updated Cost for:	Jul-91
Item	Amount	Estimate	Index	ENR Index			4818
Prelim Eng:							
EIR: exempt							
Rights of Way:							
Easements:							
Consultants:	81,418	Jul-91	4818				\$ 81,000
Staff:	14,000	Jul-91	4818				\$ 14,000
Misc:	19,500	Jul-91	4818				\$ 20,000

Other:

Total Cost: \$ 115,000

### Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not,

it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

EXHIBIT B

Interim Capital Improvement Program Appropriations  
Ordinance 1546  
March 18, 1992

Transfers

The Development Impact **Fee** Program adopted by the Council in 1991 included a number of projects which provide capacity for future growth for which the City has already expended the funds. These fall into two categories: 1) projects whose "capacity" will be used up over the life of the General Plan, and 2) those with relatively limited life. They are discussed separately below:

- 1) "long-term" projects - the two projects in this category consist of new development's share of the new elevated water tank (\$183,489) and various recently completed street widening and traffic signal projects (\$1,281,500 in total). These amounts represent 1.97% and 8.38% of the total new development's share of the cost of needed projects in the Water and Street funds respectively. Since this capacity will be "used up" as development occurs and this rate will likely **be** different than the schedule included in the fee program, it is recommended that these percentages of revenue **be** transferred to the appropriate accounts. This will avoid over collecting and more closely match the used capacity and actual development.
- 2) "short-term" projects - these consist mainly of the various master plans, impact fee, and general plan documents which will all need to be updated several times before the General Plan horizon of the year 2007. These projects total 5627,418. For these projects, it is recommended that the Finance Director **be** authorized to transfer these funds as they are available from the appropriate impact fee revenues.

In both cases, these transfers will be shown in the year-end report for all the impact fee funds. By using a percentage in case 1), interest will automatically **be** accounted for. In case 2), the amount owed will **be** indexed by the Engineering News Record Index as is provided in the impact fee ordinance for reimbursement to developers in similar situations.